



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/769,551	
	Filing Date	January 30, 2004	
	First Named Inventor	Steel et al.	
	Group Art Unit	3742	
	Examiner Name		
Total Number of Pages in This Submission (including this sheet)		Attorney Docket No.	2562.SMII.NP

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Appeal Communication: <input type="checkbox"/> Appeal Notice <input type="checkbox"/> Appeal Brief <input type="checkbox"/> Reply Brief <input type="checkbox"/> Assignment with Cover Sheet <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Check in the amount of \$__ <input type="checkbox"/> Credit card authorization in the amount of \$__ <input type="checkbox"/> Declaration & Power of Attorney <input type="checkbox"/> Drawings __ sheets <input type="checkbox"/> Formal <input type="checkbox"/> Informal	<input type="checkbox"/> Extension of Time Request ____ month <input type="checkbox"/> Fee Calculation Table <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Form 1449 <input checked="" type="checkbox"/> Copies of IDS References (foreign) <input type="checkbox"/> Issue Fee Transmittal & Advance Order	<input type="checkbox"/> Maintenance Fee Transmittal ____ year <input type="checkbox"/> Missing Parts Response <input type="checkbox"/> Notification of Change of Attorney Address & Docket Number <input checked="" type="checkbox"/> Return Postcard <input type="checkbox"/> Revocation & Power of Attorney <input type="checkbox"/> Status Inquiry <input type="checkbox"/> Other:
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT			
Attorney for Applicant	David W. O'Bryant, Registration No. 39,793 MORRISS O'BRYANT COMPAGNI, P.C. 136 South Main Street, Suite 700 Salt Lake City, Utah 84101 (801) 478-0071 telephone; (801) 478-0076 facsimile		
Signature		Date	10/22/04
CERTIFICATE OF MAILING UNDER 37 CFR § 1.8			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, on the date indicated below, in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or Printed Name	David W. O'Bryant		
Signature		Date	10/22/04



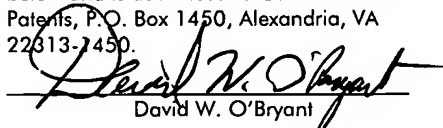
Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Steel et al.  
SERIAL NO.: 10/769,551  
FILING DATE: January 30, 2004  
TITLE: OUT-OF-POSITION FRICTION  
WELDING OF HIGH MELTING  
TEMPERATURE ALLOYS  
ART UNIT: 3742  
EXAMINER:  
DOCKET NO.: 2562.SMII.NP

CERTIFICATE OF MAILING  
UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, under 37 C.F.R. § 1.8 on the date indicated below and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
David W. O'Bryant

10/22/04  
Date of Deposit

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.98(a)(1), enclosed is Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). Applicant respectfully submits that this Information Disclosure Statement is filed, pursuant to 37 C.F.R. § 1.97 (b), within three months of the filing date of the application, within three months of the date of entry of the national stage set forth in § 1.491 or before the mailing date of a first Office action on the merits. Applicant requests that the references cited in the enclosed form PTO-1449 be made of record in the above-captioned application. While no representation is made that any of the references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or

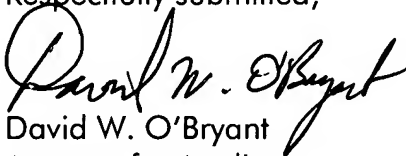
patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the references listed, together with any other references which may have been previously submitted or listed, are the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no reference which is more relevant to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with the waiver of 37 C.F.R. § 1.98(a)(2)(i) published in the Official Gazette on August 5, 2003 for U.S. patent applications filed after June 30, 2003, copies of each cited U.S. patent and each U.S. patent application publication are not enclosed. Applicant has submitted copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. § 1.98 (a)(2). Any listed reference that is not in the English language is accompanied by a concise explanation in English of its relevance as required under 37 C.F.R. § 1.98(a)(3)(i).

Please charge any additional fees or credit any overpayment to Deposit Account No. 50-0881.

DATED this 22 day of October, 2004.

Respectfully submitted,

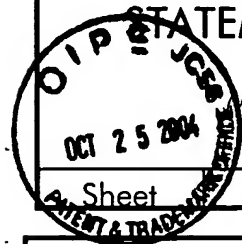


David W. O'Bryant  
Attorney for Applicant  
Registration No. 39,793  
MORRISS O'BRYANT COMPAGNI, P.C.  
136 South Main Street, Suite 700  
Salt Lake City, Utah 84101  
(801) 478-0071 telephone  
(801) 478-0076 facsimile

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/769,551
Filing Date	January 30, 2004
First Named Inventor	Steel et al.
Group Art Unit	3742
Examiner Name	
Attorney Docket	2562.SMII.NP



Use as many sheets as necessary)

Sheet 1 of 4

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-4,144,110	March 13, 1979	Luc	
		US-5,460,317	Oct. 24, 1995	Thomas et al.	
		US-5,611,479	March 18, 1997	Rosen	
		US-5,697,511	Dec. 16, 1997	Bampton	
		US-5,713,507	Feb. 3, 1998	Holt et al.	
		US-5,718,366	Feb. 17, 1998	Colligan	
		US-5,758,999	June 1998	Geise, Samuel C.	
		US-5,769,306	June 23, 1998	Colligan	
		US-5,794,835	August 18, 1998	Colligan et al.	
		US-5,811,755	Sep. 22, 1998	McGee	
		US-5,813,592	Sep. 29, 1998	Midling et al.	
		US-5,829,664	Nov. 3, 1998	Spinella et al.	
		US-5,971,247	Oct. 26, 1999	Gentry	
		US-5,971,252	Oct. 26, 1999	Rosen et al.	
		US-5,975,406	Nov. 2, 1999	Mahoney et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 0 797 043 A2	Sep. 24, 1997	EP		
		EP 0 810 054 A1	Dec. 3, 1997	EP		
		EP 0 810 055 B1	Dec. 22, 1999	EP		
		EP 0 810 056 A3	Dec. 2, 1998	EP		
		EP 0 833 097 A2	April 1, 1998	EP		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/769,551
Filing Date	January 30, 2004
First Named Inventor	Steel et al.
Group Art Unit	3742
Examiner Name	
Attorney Docket	2562.SMII.NP

Sheet 2 of 4

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-6,045,027	April 4, 2000	Rosen et al.	
		US-6,045,028	April 4, 2000	Martin et al.	
		US-6,050,474	April 18, 2000	Aota et al.	
		US-6,050,475	April 18, 2000	Kinton et al.	
		US-6,051,325	April 18, 2000	Talwar et al.	
		US-6,053,391	April 25, 2000	Heideman et al.	
		US-6,070,784	June 6, 2000	Holt et al.	
		US-6,138,895	Oct. 31, 2000	Oelgoetz et al.	
		US-6,168,066 B1	Jan. 2, 2001	Arbegast	
		US-6,168,067 B1	Jan. 2, 2001	Waldron et al.	
		US-6,173,880 B1	Jan. 16, 2001	Ding et al.	
		US-6,193,137 B1	Feb. 27, 2001	Ezumi et al.	
		US-6,206,268	March 27, 2001	Mahoney	
		US-6,257,479 B1	July 10, 2001	Litwinski et al.	
		US-6,450,395 B1	Sep. 17, 2002	Weeks et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 0 867 254 A1	Sep. 30, 1998	EP		
		EP 0 888 843 A1	Jan. 7, 1999	EP		
		EP 0 893 189 A2	Jan. 27, 1999	EP		
		EP 0 893 190 A2	Jan. 27, 1999	EP		
		EP 0 925 964 A2	June 30, 1999	EP		
		EP 0 928 659 A1	July 14, 1999	EP		
		EP 0 947 280 A1	Oct. 6, 1999	EP		

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/769,551
Filing Date	January 30, 2004
First Named Inventor	Steel et al.
Group Art Unit	3742
Examiner Name	
Attorney Docket	2562.SMII.NP

Sheet

3

of

4

		EP 0 968 788 A2	Jan. 5, 2000	EP	
		EP 0 972 605 A2	Jan. 19, 2000	EP	
		EP 0 985 483 A2	March 15, 2000	EP	
		EP 0 992 314 A2	April 12, 2000	EP	
		EP 1 029 627 A1	August 23, 2000	EP	
		EP 1 046 453 A2	Oct. 25, 2000	EP	
		EP 1 048 390 A2	Nov. 2, 2000	EP	
		EP 1 055 478 A1	Nov. 29, 2000	EP	
		EP 1 057 572 A2	Dec. 6, 2000	EP	
		EP 1 057 573 A2	Dec. 6, 2000	EP	
		EP 1 057 574 A2	Dec. 6, 2000	EP	
		EP 1 057 575 A2	Dec. 6, 2000	EP	
		EP 1 057 576 A2	Dec. 12, 2000	EP	
		GB 2 306 366 A	May 7, 1997	GB	
		WO 00/02698	Jan. 20, 2000	EP	
		WO 00/02699	Jan. 20, 2000	US	
		WO 00/02704	Jan. 20, 2000	US	
		WO 00/03818	Jan. 27, 2000	AU	
		WO 00/56497	Sep. 28, 2000	DE	
		WO 01/85385 A1	Nov. 15, 2001	US	
		WO 02/100586 A1	Dec. 19, 2002	US	
		WO 93/10935	June 10, 1993	GB	
		WO 97/15462	May 1, 1997	NO	
		WO 97/48517	Dec. 24, 1997	SE	
		WO 98/13167	April 2, 1998	SE	
		WO 98/45080	Oct. 15, 1998	SE	
		WO 98/51441	Nov. 19, 1998	SE	
		WO 98/58759	Dec. 30, 1998	GB	
		WO 99/32254	July 1, 1999	SE	
		WO 99/32255	July 1, 1999	US	
		WO 99/33594	July 8, 1999	US	

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)**Complete if Known*

Application Number	10/769,551
Filing Date	January 30, 2004
First Named Inventor	Steel et al.
Group Art Unit	3742
Examiner Name	
Attorney Docket	2562.SMII.NP

Sheet

of

		WO 99/34951	July 15, 1999	SE		
		WO 99/39861	August 12, 1999	NO		
		WO 99/52669	Oct. 21, 1999	GB		
		WO 99/54081	Oct. 28, 1999	GB		
		WO 99/58288	Nov. 18, 1999	US		
		WO 99/65637	Dec. 23, 1999	JP		

Examiner  
SignatureDate  
Considered